MIL-STD-2073-1D (1) Packaging Requirement Codes

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AGENDA

- **Appendix J, General & Detailed Requirements**
- **Appendix J, Tables J.I - J.X.**
- **Useful Websites**
- **Helpful Hints**
- **Summary**
- **Quiz**

APPENDIX – J.3

GENERAL REQUIREMENTS

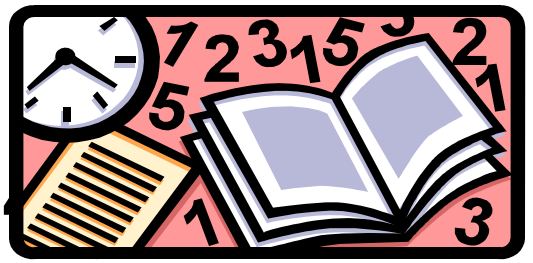
- **Code System: PRCs are used in a position and sequence system with DD Form 2326, Preservation & Packing Data Form**

- **No Longer in MIL-STD-2073-1D (1):**

  Packer's Option Codes (Y, YY and YYY)
  Procedural Specification Codes ("packaging of")
  Data Element, Levels of Preservation (LP codes)
  Data Element, Hazardous Material (HM codes)
  Special Marking Code 99 (no special marking)

APPENDIX – J.4

DETAILED REQUIREMENTS



- Use numeric codes are “0” and “1” to indicate that the field does not apply
- Codes “X” or “XX” indicate that the requirement is contained within the Method of Preservation.
- Codes “Z” or “ZZ” indicate that Supplementary or Special requirements apply.

APPENDIX – J.4

DETAILED REQUIREMENTS, Quantity Per Unit Pack (QUP)

- **Already established by the PCO using:**

  Formula A = $ Value, Wt, Cu, Replacement %, Pres Mthd.

  (for consumables having maintenance and overhaul application)

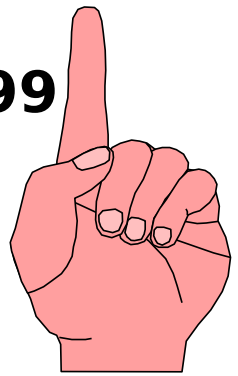
  Formula B = Qty per Assy, Wt, Cu, Replacement %, Pres Mthd.

  (for consumables having overhaul application only)

- **QUP Codes: In the Clear = 001 through 999**

  BLK = Bulk

  ZZZ = Special requirement



APPENDIX – J.4

DETAILED REQUIREMENTS

Quantity Per Intermediate Container (ICQ)

- **ICQ Codes: In the Clear = 001 through 100**

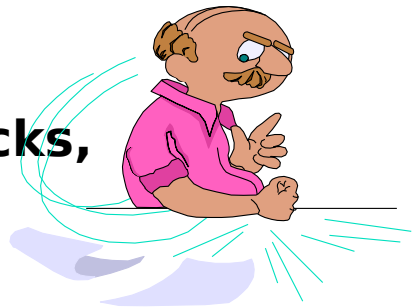
  AAA = See B.5 XXX = See method of preservation

  ZZZ = See special instructions/supplemental data

- **Appendix B, Table B.1: Provides guidance on how to develop the ICQ using predetermined ICQs based on weight and cube.**

- **Limits of ICQ:**

Maximum of 100 unit packs, 40 lbs. & 1.5 cu. ft.



PRESERVATION METHODS

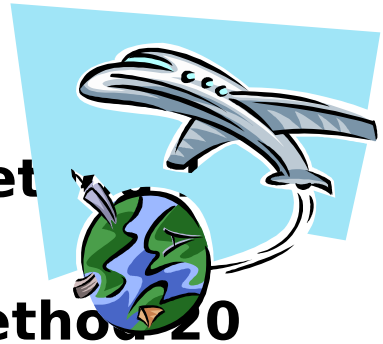
- **Table J.I, MILITARY PRESERVATION METHODS**
  - **10 = Physical protection**
  - **20 = Preservative coating**
  - **30 = Waterproof/greaseproof protection**
  - **40 = Watervaporproof protection**
  - **50 = Watervaporproof protection with desiccant**

- **Z or ZZ indicate supplementary or special requirements**
- **These Military Preservation Method codes will be used for MIL-STD-129P markings.**
- **When Method 20 is cited a preservative material is required.**

SPECIALIZED PRESERVATION CODES

- **Table J.Ia, SPECIALIZED PRESERVATION CODES**

  Codes used for packaging procedures that cannot be conveniently or adequately described without amplification of the basic method and material symbols.



"AE" means seal/plug all openings & preserve Met

"BL" means seal/plug all openings & preserve Method 20

"GX" means preserve Method 41 with ESD & electromagnetic protection

"HM" means package and mark I/A/W applicable hazmat regulation

CLEANING & PRESERVATIVES

- **Table J.II, CLEANING PROCEDURE CODES**
  - **1 = Any suitable process**
  - **X = See Method of Preservation**
  - **Z = Special Requirement**

- **Table J.III, CONTACT PRESERVATIVE MATERIAL CODES**
  - **49 = Vendor's protective grease or oil**
  - **89 = Normal operating lubricant**
  - **00 = No requirement**
  - **XX = See Method of Preservation**

WRAPPING MATERIAL

- **Table J.IV, WRAPPING MATERIAL**

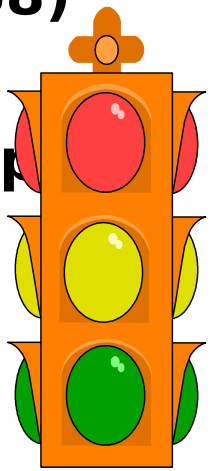
CA = A-A-203, kraft wrapping paper (UU-P-268)

EA = MIL-P-17667, neutral wrapping paper

GB = MIL-B-121, grade A, greaseproof, waterp

JA = A-A-3174, plastic sheet (L-P-378)

K3 = MIL-PRF-81705, ESD barrier material



LA = A-A-50187, lens paper (NNN-P-40)

NOTE: Contact preservative coated items shall be wrapped in MIL-B-121, Grade A, or QQ-A-1876.

CUSHIONING & DUNNAGE

- **Table J.V, CUSHIONING AND DUNNAGE**

  AD = cushion, anchor, block & brace I/A/W MIL-STD-1186

  BG = A-A-1898, cellulosic cushioning (PPP-C-843)

  BN = PPP-C-850, polystyrene

  DA = A-A-1051, paperboard (PPP-C-291)

  GD = MIL-PRF-26514, polyurethane foam

  HA = A-A-1507, chipboard (UU-C-282)

  JA = ASTM D4727, fiberboard (PPP-F-320)

  LT = PPP-C-795, Class 2, antistatic cellular plastic film

  NA = PPP-C-795, A-A-3129 (PPP-C-1842), PPP-C-1797, A-A-59136

  (PPP-C-1752)

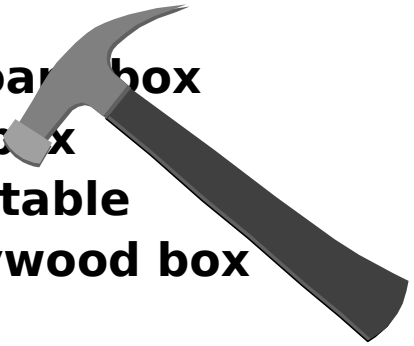
- **Table J.VI, CUSHIONING THICKNESS: X = AS REQUIRED**

  A = 1/4 INCH

UNITE & INTERMEDIATE CONTAINERS

- **Table J.VII, UNIT AND INTERMEDIATE CONTAINERS**

10 = any suitable container in this table
A1 = MIL-P-130, MIL-P17667, MIL-B 121 Grade A, or any MIL-B-117 bag (staple, tape, adhesive or heat sealed)
D3 = PPP-B-566, A-A-2807(PPP-B-665), PPP-B-676 or ASTM D5118
DO = any suitable fiber box in this table
EC = ASTM D5118 (PPP-B-636), domestic fiberboard box
ED = ASTM D5118 (PPP-B-636), W/R,fiberboard box
F5 = vendor's wood box FO = any wood box in table
FA = PPP-B-621, nailed box FD = PPP-B-601, plywood box
FU = MIL-B-26195, wood-cleated skidded box
MA = MIL-C-104, wood crate, nailed or bolted
NR = PPP-B-1672, reusable fiberboard box w/cushioning ("Fast Pack")
MY,NY,NZ,RC = NAVICP reusable containers
XX = See method of preservation



UCL & OPI CODES

- **Table J.VIII, UNIT CONTAINER LEVEL** The Unit Container Level (UCL) codes are used to determine if the unit container is an acceptable shipping container.

O = Not an acceptable shipping container

A = Meets Level A packing **B** = Meets Level B pac

M = Unit container provides minimal packing protect

- **Table J.VIIIa, OPTIONAL PROCEDURE INDICATOR** The Optional Procedure Indicator (OPI) codes define the contractor's packaging options.

M = All packaging is mandatory, no substitution

O = Options can be exercised, with exceptions.

PACKING REQUIREMENT CODES

- **Table J.IX, MILITARY PACKING REQUIREMENT CODES**
  Follow the instructions defined in this table to meet the packing requirements of the Procurement Activity via the "Pack Code."

E = ASTM D4169, Dist. Cycle 18, Assurance Level 1 applies.

F = Packing is not required, unit container is shipping container.

Q = Select a shipping container from table C.II for level specified.

R = ASTM D4169, Dist. Cycle 18, Assurance Level 2 applies.

- **Table J.IXa. MINIMAL PACKING REQUIREMENT CODES**

U = Shipping container to meet applicable transportation regulation.

(Commercial Packing is acceptable)

SPECIAL MARKING CODES

- **Table J.X. SPECIAL MARKING CODES**

ZZ = Special Requirement

03 = Method 50

17 = Reusable containe

32 = Type I, Shelf Life

51 = Mark I/A/W applicable procedural packaging specification

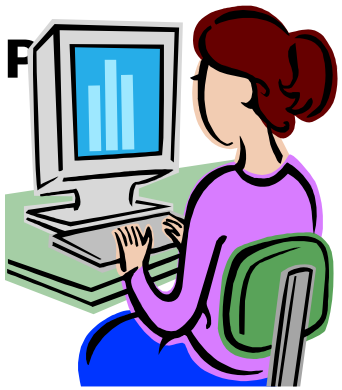
33 = Type II, Shelf Life

39 = ESD Sensitive

USEFUL WEBSITES

- **For downloading of Military and Federal Specifications**
  http://assist.daps.dla.mil/quicksearch/

- **For interpretations of MIL-STD-2073-1D (1) F**
  http://www.palm.saic.com/
  (click on Code Lookup)



- **For Military Packaging course information**
  http://smpt.apg.army.mil/

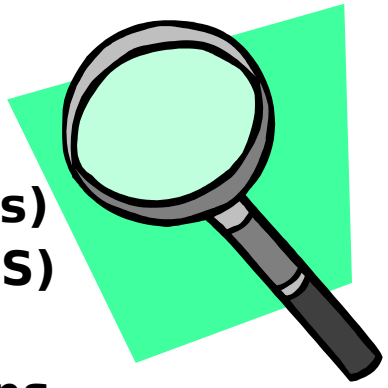
- **For DLA Packaging Policy and other Packaging information:**
  http://dscc.dla.mil.Offices/Packaging/index.html

HELPFUL HINTS

- **Packaging Requirement Codes are found in Section B, the Schedule portion of an acquisition document and in packaging forms peculiar to the applicable procuring activity (AFMC Form 158).**

- **Other places to find Preservation, Packaging, Packing and Marking (PPP&M) requirements:**

Preparation for Delivery Instructions
Commodity or Procedural Specifications
Amendments and Modifications
Deviations, Waivers and Statements of Work (SOWs)
Individual Repair Parts Ordering Data (Navy IRPODS)
Drawings or Microfiche
FAR and DFAR Clauses from PCO Master Solicitations
References to Levels of Protection
References to Commercial Packaging such as ASTM D3951



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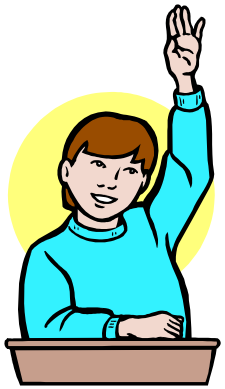
MIL-STD-2073-1D Codes

? QUESTIONS ?



MIL-STD-2073-1D Codes

THE END

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QUIZ

1. **What Packaging Requirement Code indicates that a Supplementary or Special requirement applies?**

   a) **“X”**
   b) **“XX”**
   c) **“ZZ”**
   d) **“00”**

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QUIZ

2. What Military Preservation Method requires desiccant?

a) 50
b) 40
c) 30
d) 20

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QUIZ

3. **What is the Unit Container Code for an ASTM D5118 W/R (Weather Resistant) box?**

   a) **“EC”**
   b) **“ED”**
   c) **“D3”**
   d) **“F5”**

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QUIZ

4. **What does the Optional Procedure Indicator Code “M” mean?**

   a) Options can be exercised

   b) Level A Packaging is required

   c) All packaging is mandatory, no substitutions

   d) Package I/A/W the Procedural Specification or SPI

QUIZ

5. What Special Marking Code would be used to indicate that the item packaged is ESD sensitive?

a) “03”

b) “39”

c) “51”

d) “17”